

<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	6616-72707-02
	Application Number	10/697,787
	Filing Date	October 29, 2003
	First Named Inventor	Federspiel
	Art Unit	1638
	Examiner Name	Medina Ahmed Ibrahim

### U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/M.I./		6,057,490	May 2, 2000	RYALS <i>et al.</i>
/M.I./		US 2002/0160378	October 31, 2002	HARPER <i>et al.</i>
/M.I./		6,664,446	December 16, 2003	HEARD <i>et al.</i>

### FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/M.I./		PCT/WIPO	WO2002/016655	February 28, 2002	THE SCRIPPS RESEARCH INSTITUTE

### OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/M.I./		AARTS <i>et al.</i> , "Different requirements for <i>EDS1</i> and <i>NDR1</i> by disease resistance genes define at least two <i>R</i> gene-mediated signaling pathways in <i>Arabidopsis</i> ," <i>Proc Natl. Acad. Sci. USA</i> , 95:10306-10311, 1998.
/M.I./		ASAI <i>et al.</i> , "MAP kinase signaling cascade in <i>Arabidopsis</i> innate immunity," <i>Nature</i> , 415:977-983, 2002.
/M.I./		BENNETZEN and JONES, "Approaches and Progress in the Molecular Cloning of Plant Disease Resistance Genes," <i>Genetic Engineering</i> , 14:99-124, 1992.
/M.I./		BERROCAL-LOBO <i>et al.</i> , "Constitutive expression of ETHYLENE-RESPONSE-FACTOR1 in <i>Arabidopsis</i> confers resistance to several necrotrophic fungi," <i>The Plant Journal</i> , 29(1):23-32, 2002.
/M.I./		BOWLING <i>et al.</i> , "A mutation in <i>arabidopsis</i> that leads to constitutive expression of systemic acquired resistance," <i>Plant Cell</i> , 6:1845-1857, 1994.
/M.I./		BOWLING <i>et al.</i> , "The <i>cpr5</i> mutant of <i>arabidopsis</i> expresses both NPR1-dependent and NPR1-independent resistance," <i>Plant Cell</i> , 9:1573-1584, 1997.
/M.I./		CAO <i>et al.</i> , "Generation of broad-spectrum disease resistance by overexpression of an essential regulatory gene in systemic acquired resistance," <i>Proc. Natl. Acad. Sci. USA</i> , 95:6531-6536, 1998.

EXAMINER SIGNATURE: /Medina Ibrahim/	DATE CONSIDERED: 05/13/2007
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/M.I./		CAO <i>et al.</i> , "Effect of two conserved amino acid residues on DREB1A function," <i>Biochemistry (Mosc.)</i> , 66(6):623-627, 2001.
/M.I./		CHEN <i>et al.</i> , "Expression profile matrix of Arabidopsis transcription factor genes suggests their putative functions in response to environmental stresses," <i>The Plant Cell</i> , 14(3):559-574, 2002.
/M.I./		CLARKE <i>et al.</i> , "Uncoupling PR gene expression from NPR1 and bacterial resistance: characterization of the dominant Arabidopsis <i>cpr6-1</i> mutant," <i>The Plant Cell</i> , 10:557-569, 1998.
/M.I./		CLARKE <i>et al.</i> , "Roles of salicylic acid, jasmonic acid, and ethylene in <i>cpr</i> -induced resistance in Arabidopsis," <i>The Plant Cell</i> , 12:2175-2190, 2000.
/M.I./		CLARKE <i>et al.</i> , "Constitutive disease resistance requires <i>EDS1</i> in the Arabidopsis mutants <i>cpr1</i> and <i>cpr6</i> and is partially <i>EDS1</i> -dependent in <i>cpr5</i> ," <i>The Plant Journal</i> , 26:409-420, 2001.
/M.I./		DANGL and JONES, "Plant pathogens and integrated defense responses to infection," <i>Nature</i> , 411:826-833, 2001.
/M.I./		DELANEY <i>et al.</i> , "Arabidopsis signal transduction mutant defective in chemically and biologically induced disease resistance," <i>Proc. Natl. Acad. Sci. USA</i> , 92:6602-6606, 1995.
/M.I./		DEVADAS <i>et al.</i> , "The Arabidopsis <i>hrl1</i> mutation reveals novel overlapping roles for salicylic acid, jasmonic acid and ethylene signalling in cell death and defence against pathogens," <i>The Plant Journal</i> , 30(4):467-480, 2002.
/M.I./		DEWDNEY <i>et al.</i> , "Three unique mutants of Arabidopsis identify <i>eds</i> loci required for limiting growth of a biotrophic fungal pathogen," <i>The Plant Journal</i> , 24(2):205-218, 2000.
/M.I./		FEYS and PARKER, "Interplay of signaling pathways in plant disease resistance," <i>TIG</i> , 16(10):449-455, 2000.
/M.I./		FRYE and INNES, "An Arabidopsis mutant with enhanced resistance to powdery mildew," <i>The Plant Cell</i> , 10:947-956, 1998.
/M.I./		GLAZEBROOK, Jane, "Genes controlling expression of defense responses in Arabidopsis," <i>Current Opinion in Plant Biology</i> , 2:280-286, 1999.
/M.I./		GLAZEBROOK, Jane, "Genes controlling expressions of defense responses in Arabidopsis - 2001 status," <i>Current Opinion in Plant Biology</i> , 4:301-308, 2001.
/M.I./		GU <i>et al.</i> , "Tomato transcription factors Pti4, Pti5, and Pti6 activate defense responses when expressed in Arabidopsis," <i>The Plant Cell</i> , 14:817-831, 2002.
/M.I./		HEATH, Michèle C., "Nonhost resistance and nonspecific plant defenses," <i>Current Opinion in Plant Biology</i> , 3:315-319, 2000.

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/M.I./		KACHROO <i>et al.</i> , "A fatty acid desaturase modulates the activation of defense signaling pathways in plants," <i>PNAS</i> , 98:9448-9453, 2001.
/M.I./		KIM and DELANEY, "Arabidopsis SON1 is an F-box protein that regulates a novel induced defense response independent of both salicylic acid and systemic acquired resistance," <i>The Plant Cell</i> , 14:1469-1482, 2002.
/M.I./		KIM and DELANEY, "Over-expression of <i>TGA5</i> , which encodes a bZIP transcription factor that interacts with NIM1/NPR1, confers SAR-independent resistance in <i>Arabidopsis thaliana</i> to <i>Peronospora parasitica</i> ," <i>Plant J.</i> , 32:151-163, 2002.
/M.I./		KINKEMA <i>et al.</i> , "Nuclear localization of NPR1 is required for activation of <i>PR</i> gene expression," <i>The Plant Cell</i> , 12:2339-2350, 2000.
/M.I./		LIN <i>et al.</i> , "Arabidopsis thaliana chromosome 1 BAC F22H5 genomic sequence, complete sequence," Genbank accession no. AC025814, 2001, (retrieved January 14, 2005).
/M.I./		LORENZO <i>et al.</i> , "ETHYLENE RESPONSE FACTOR1 integrates signals from ethylene and jasmonate pathways in plant defense," <i>The Plant Cell</i> , 15(1):165-178, 2003.
/M.I./		LUCHT <i>et al.</i> , "Pathogen stress increases somatic recombination frequency in <i>Arabidopsis</i> ," <i>Nature Genetics</i> , 30:311-314, 2002.
/M.I./		MACH <i>et al.</i> , "The <i>Arabidopsis</i> -accelerated cell death gene <i>ACD2</i> encodes red chlorophyll catabolite reductase and suppresses the spread of disease symptoms," <i>Proc. Natl. Acad. Sci. USA</i> , 98(2):771-776, 2001.
/M.I./		MALDONADO <i>et al.</i> , "A putative lipid transfer protein involved in systemic resistance signaling in <i>Arabidopsis</i> ," <i>Nature</i> , 419:399-403, 2002.
/M.I./		MALECK <i>et al.</i> , "Isolation and characterization of broad-spectrum disease-resistant <i>Arabidopsis</i> mutants," <i>Genetics</i> , 160:1661-1671, 2002.
/M.I./		McDOWELL <i>et al.</i> , "Downy mildew ( <i>Peronospora parasitica</i> ) resistance genes in <i>Arabidopsis</i> vary in functional requirements for <i>NDR1</i> , <i>EDS1</i> , <i>NPR1</i> and salicylic acid accumulation," <i>Plant J.</i> , 22:523-529, 2000.
/M.I./		MOLINA <i>et al.</i> , "Inhibition of protoporphyrinogen oxidase expression in <i>Arabidopsis</i> causes a lesion-mimic phenotype that induces systemic acquired resistance," <i>The Plant Journal</i> , 17(6):667-678, 1999.
/M.I./		MOREL and DANGL, "Suppressors of the <i>Arabidopsis lsd5</i> cell death mutation identify genes involved in regulating disease resistance responses," <i>Genetics</i> , 151:305-319, 1999.
/M.I./		NÜRNBERGER and SCHEEL, "Signal transmission in the plant immune response," <i>TRENDS in Plant Science</i> , 6(8):372-379, 2001.

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/M.I./		ONATE-SANCHEZ and SINGH, "Identification of Arabidopsis ethylene-responsive element binding factors with distinct induction kinetics after pathogen infection," <i>Plant Physiology</i> , 128(4):1313-1322, 2002.	
/M.I./		PETERSEN <i>et al.</i> , "Arabidopsis MAP kinase 4 negatively regulates systemic acquired resistance," <i>Cell</i> , 103:1111-1120, 2000.	
/M.I./		REYMOND and FARMER, "Jasmonate and salicylate as global signals for defense gene expression," <i>Current Opinion in Plant Biology</i> , 1:404-411, 1998.	
/M.I./		ROMEIS, Tina., "Protein kinases in the plant defence response," <i>Current Opinion in Plant Biology</i> , 4:407-411, 2001.	
/M.I./		RUSTERUCCI <i>et al.</i> , "The disease resistance signaling components <i>EDS1</i> and <i>PAD4</i> are essential regulators of the cell death pathway controlled by <i>LSD1</i> in Arabidopsis," <i>The Plant Cell</i> , 13:2211-2224, 2001.	
/M.I./		SCHULZE-LEFERT and VOGEL, "Closing the ranks to attack by powdery mildew," <i>Trends in Plant Science Reviews</i> , 5(8):343-348, 2000.	
/M.I./		SHAH <i>et al.</i> , "A recessive mutation in the Arabidopsis <i>SSI2</i> gene confers SA- and <i>NPR1</i> -independent expression of <i>PR</i> genes and resistance against bacterial and oomycete pathogens," <i>The Plant Journal</i> , 25(5):563-574, 2001.	
/M.I./		SOLANO <i>et al.</i> , "Nuclear events in ethylene signaling: a transcriptional cascade mediated by ETHYLENE-INSENSITIVE3 and ETHYLENE-RESPONSE-FACTOR1," <i>Genes and Development</i> , 12:3703-3714, 1998.	
/M.I./		STONE <i>et al.</i> , "Simulation of fungal-mediated cell death by fumonisin B1 and selection of fumonisin B1-resistant ( <i>fbr</i> ) Arabidopsis mutants," <i>The Plant Cell</i> , 12:1811-1822, 2000.	
/M.I./		TAKEMOTO <i>et al.</i> , "GFP-tagging of cell components reveals the dynamics of subcellular re-organization in response to infection of Arabidopsis by oomycete pathogens," <i>Plant J.</i> , 33:775-792, 2003.	
/M.I./		TANG and INNES, "Overexpression of a kinase-deficient form of the <i>EDR1</i> gene enhances powdery mildew resistance and ethylene-induced senescence in Arabidopsis," <i>The Plant Journal</i> , 32:975-983, 2002.	
/M.I./		TIERENS <i>et al.</i> , "Esa1, an Arabidopsis mutant with enhanced susceptibility to a range of necrotrophic fungal pathogens, shows a distorted induction of defense responses by reactive oxygen generating compounds," <i>The Plant Journal</i> , 29(2):131-140, 2002.	

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/M.I./		TÖR <i>et al.</i> , "Arabidopsis SGT1b is required for defense signaling conferred by several downy mildew resistance genes," <i>Plant Cell</i> , 14:993-1003, 2002.	
/M.I./		TORNERO and DANGL, "A high-throughput method for quantifying growth of phytopathogenic bacteria <i>Arabidopsis thaliana</i> ," <i>The Plant Journal</i> , 28(4):475-481, 2001.	
/M.I./		VOGEL and SOMERVILLE, "Isolation and characterization of powdery mildew-resistant <i>Arabidopsis</i> mutants," <i>Proc. Natl. Acad. Sci. USA</i> , 97(4):1897-1902, 2000.	
/M.I./		WEYMANN <i>et al.</i> , "Suppression and restoration of lesion formation in <i>Arabidopsis lsd</i> mutants," <i>Plant Cell</i> , 7:2013-2022, 1995.	
/M.I./		XIE <i>et al.</i> , "CO11: An <i>Arabidopsis</i> gene required for Jasmonate-regulated defense and fertility," <i>Science</i> , 280:1091-1094, 1998.	
/M.I./		XU <i>et al.</i> , "The SCF <sup>CO11</sup> ubiquitin-ligase complexes are required for jasmonate response in <i>Arabidopsis</i> ," <i>The Plant Cell</i> , 14:1919-1935, 2002.	
/M.I./		YANG <i>et al.</i> , "Activation of a mitogen-activated protein kinase pathway is involved in disease resistance in tobacco," <i>Proc Natl Acad Sci USA</i> , 98(2):741-746, 2001.	
/M.I./		YOSHIOKA <i>et al.</i> , "Environmentally sensitive, SA-dependent defense responses in the <i>cpr22</i> mutant of <i>Arabidopsis</i> ," <i>The Plant Journal</i> , 26(4):447-459, 2001.	
/M.I./		ZHANG <i>et al.</i> , "Interaction of NPR1 with basic leucine zipper protein transcription factors that bind sequences required for salicylic acid induction of the <i>PR-1</i> gene," <i>Proc Natl Acad Sci USA</i> , 96:6523-6528, 1999.	
/M.I./		ZIMMERLI <i>et al.</i> , "Potentiation pathogen-specific defense mechanisms in <i>Arabidopsis</i> by $\beta$ -aminobutyric acid," <i>Proc Natl Acad Sci USA</i> , 97:12920-12925, 2000.	
/M.I./		GenBank Accession No. NP_188965	
/M.I./		GenBank Accession No. AAM63284	
/M.I./		GenBank Accession No. AAN32899	
/M.I./		GenBank Accession No. BAC21534	
/M.I./		GenBank Accession No. NP_180681	
/M.I./		GenBank Accession No. B84718	
/M.I./		GenBank Accession No. AAN77067	

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